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## COMPLETE SPECIFICATION

1 SHEET

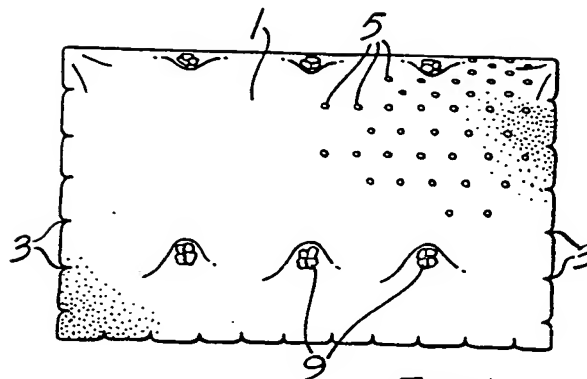
This drawing is a reproduction of  
the Original on a reduced scale

FIG. 1.

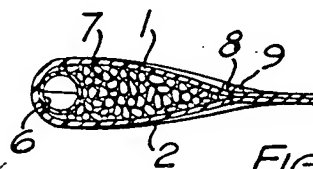


FIG. 2.

SPACER

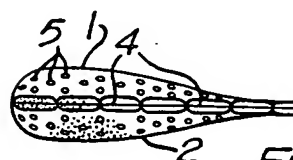


FIG. 3.

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PATENT SPECIFICATION  
DRAWINGS ATTACHED



898.256

Date of filing Complete Specification March 27, 1961.

Application Date March 30, 1960.

Complete Specification Published June 6, 1962.

No. 11185/60. GT. BRIT.  
DIV.

Index at acceptance:—Class 52(4), M1(CX:D).

International Classification:—A47c.

COMPLETE SPECIFICATION

Improvements in or relating to Pillows

I, ADA WOODWARD, a British Subject, of 4, West Street, St. Monance, Fife, Scotland, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to pillows and has as its main object to provide a pillow for use by a baby, which pillow is so designed as to obviate any risk of the baby being smothered or choked as has been known to occur when the baby has been allowed to sleep on a conventional pillow.

According to the present invention, a pillow comprises an envelope of foamed plastic or rubber provided with a number of well defined holes in at least the upper layer of the envelope, which encloses material of such a nature as to allow free flow of air through the pillow from air vents formed in one or more edges of the pillow to the said holes, a spacer being provided within the pillow adjacent and extending substantially the whole length of one edge of the pillow, the spacer and material being so arranged that the pillow is tapered from the edge adjacent which the spacer is provided towards the opposite edge.

Preferably the holes are provided in both the upper and lower layer of the envelope and preferably also are so spaced apart that when a baby has its face on the pillow the nose and/or mouth must be over at least one of said holes.

The preferred form of pillow according to the present invention is illustrated in the accompanying drawing in which:—

Figure 1 is a plan;

Figure 2 a transverse sectional elevation, and

Figure 3 a side elevation.

Referring to the drawing, the pillow comprises an envelope formed of a single sheet of foamed plastic or rubber doubled upon

itself to provide an upper layer 1 and a lower layer 2, the layers being joined together along their free edges by stitching 3. The stitches are spaced apart so that air vents 4 are formed between the stitches.

The layers 1, 2 are formed with well defined holes 5 so spaced apart that the area between the holes is small enough to ensure that when a baby's head is on the pillow, its mouth and/or nose must be over at least one of said holes.

Before securing the upper and lower layers together there is positioned in the folded portion of the pillow a spacer member 6, which may be in any convenient form and preferably consists of a resilient plastic tube which may be formed by rolling plastic sheet into tube form, the material used being sufficiently stiff not to be flattened by the weight of a baby's head on the pillow. The spacer may even consist of a plastic tube in lattice form which may itself be within a porous cover, so as to prevent material used to fill the pillow from entering the spacer.

The spacer 6 is preferably secured within the envelope by bands of foamed plastic or rubber passed around the spacer and attached by stitching to the adjacent edge of the envelope.

The positioning of the spacer 6 at the fold accompanied by the stitching of the free edges of the pillow provides a formation to the pillow which tapers from the top to the bottom edges as shown in Figures 2 and 3.

The envelope is partially filled with material which allows flow of air within the pillow and this material preferably consists of loose pieces of foamed plastic or rubber 7. The upper and lower layers 1, 2 are further secured together by stitching 8 along a line spaced inwardly from the tapered bottom edge to prevent the filling 7 extending right up to the bottom edge of the pillow.

It will be appreciated that the stitching 3 is so performed that the actual stitches are

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spaced apart to provide the air vents. 4. The inner row of stitching 8 is preferably finished off with buttons or the like 9 of foamed plastic or rubber.

- 5 In use the baby's head should be positioned on the upper layer above the inner row of stitching 8, so that the tapered lower edge of the pillow can be tucked well down as a support for the shoulders. Due to the spacing of the holes 5 if the baby's face is down on the pillow its mouth and/or nose must lie over at least one of said holes and if the baby's face is on one cheek a nostril or a corner of the mouth must also be over one of said holes. This ensures that whatever be the position of the baby's face on the pillow the baby cannot smother because in breathing air is drawn in through the vents 4 and through the filling material 7 through the holes 5 in the upper layer, or, of course, can also come through the holes in the lower layer.

Normally the pillow is provided with a cotton or linen cover which may be sewn in place. The linen or cotton covering material must not of course be too closely woven since otherwise the passage of air through it would be impeded. The number, size and spacing of the holes provided in the envelope, is a matter of choice, but it has been found that holes of a tenth of an inch to a quarter of an inch diameter, and spaced a half an inch to two inches apart are perfectly satisfactory.

35 When necessary the pillow can readily be washed by immersion in water, and the filling being of foamed plastic or rubber will not become packed thereby.

#### WHAT I CLAIM IS:—

- 40 1. A pillow comprising an envelope of foamed plastic or rubber provided with a number of well defined holes in at least the upper layer of the envelope, which encloses

material of such a nature as to allow free flow of air through the pillow from air vents formed in one or more edges of the pillow to the said holes, a spacer being provided within the pillow adjacent and extending substantially the whole length of one edge of the pillow, the spacer and material being so arranged that the pillow is tapered from the edge adjacent which the spacer is provided towards the opposite edge.

2. A pillow as claimed in Claim 1 in which holes are provided in both the upper and lower layer of the envelope.

3. A pillow as claimed in Claim 1 or 2 in which the holes are so spaced apart that, when a baby has its face down on a pillow, the nose and/or mouth must be over at least one of said holes in the upper layer.

4. A pillow as claimed in any of the preceding claims in which a spacer member is secured in the fold between the upper and lower layers of the pillow, so as to provide a downwardly tapering upper layer.

5. A pillow as claimed in any of the preceding claims in which the envelope is partially filled with material which allows free flow of air within the pillow.

6. A pillow as claimed in Claim 5 in which the filling material consists of loose pieces of a foamed plastic or rubber.

7. A pillow as claimed in any of the preceding claims in which the upper and lower layers are further secured together along a line spaced inwardly from the lower transverse edge.

8. A pillow substantially as hereinbefore described with reference to the accompanying drawing.

For the Applicant:

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### PROVISIONAL SPECIFICATION

#### Improvements in or relating to Pillows

- 85 I, ADA WOODWARD, (Miss), 4, West Street, St. Monance, Fife, Scotland, British, do hereby declare this invention to be described in the following statement:—

A pillow made of plastic foam, the surface of which is perforated with holes  $\frac{1}{2}$ " apart, holes  $\frac{1}{10}$ " in diameter. The sides are connected together by sewing in such a manner as to allow air to enter from sides. In the interior of the pillow there are coils of perforated (plastic) polythene specially fastened to upper edge of pillow. This allows air

to enter from all parts should a child turn on to its face. The lower part of pillow is finished off with plastic foam buttons to hold the interior in position.

The pillow is angled from 5" at upper edge to  $1\frac{1}{2}$ " at lower edge. This to prevent choking if child turns on his back. The whole pillow is covered in cotton material and complete pillow can be immersed in water for washing. Pillow is hand made.

A. WOODWARD.